



# RF



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## ORANGE COUNTY AMATEUR RADIO CLUB

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VOL. XXXV11 NO. 6 P.O. BOX 3454, TUSTIN, CA. 92681 JUNE 1996

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### The Prez Sez:

#### Another Band Threat:

Once again Radio Amateurs find their VHF and UHF frequencies under attack. This time the targets are the two meter band (144-148 MHz) and the three-quarter meter (70 centimeter) band (420 - 430 MHz). The threat is coming from a commercial satellite company who is planning on launching "little LEO" satellites and is looking for spectrum.

In this issue of RF is a copy of ARRL bulletin 37 that explains the threat and gives information on where to write letters to thwart off this threat. Please take some time from your busy schedule to draft and send a short letter to one of the addresses mentioned in the bulletin. You may also want to forward a copy to your congressperson.

#### Field Day - June 22nd and 23rd

Field Day is just a short week away, June 22nd and 23rd. The meeting will be very short this month because it is the evening before Field Day. The club is planning on meeting around noon on Friday at the site to begin setting up antennas. Please attend if you can get away for the afternoon. Also try to attend the meeting; The club will be going over some of the operating strategy, rules and logging instructions.

Logs need to be turned in to AF6C as soon as possible after the event. Logs can be in written form - There will be plenty of blank log sheets available at Field Day - or on computer disks. Apple II, Mac, and IBM clone disks can all be read. If there is someone in the club who can read and convert Commodore disks to one of the above formats, or can email or packet Commodore disk data, please get in touch with Larry, K6VDP.

de Bob, AF6C

## 1996 Board of Directors

President.....	Bob Eckweiler.....	AF6C.....	639-5074
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## CLUB APPOINTMENTS

Club Historian.....	Bob Evans.....	WB6DXN.....	543-9111
W6ZE Trustee.....	Bob Eckweiler.....	AF6C.....	639-5074
RF Editor.....	Bud Barkhurst.....	WA6VPP.....	774-6361
Refreshments.....	Jane Breller.....	KC6TAM.....	310-866-2077

## DUES

Regular Member..... \$ 12.00..... Additional Members..... \$ 6.00 each  
Teenage Member..... \$ 6.00..... Optional Club Badge..... \$ 5.00 each  
Dues for new members are prorated quarterly from January 1 each year.  
Family members must reside at the address of a Regular Member. (One news-  
letter (RF) is sent per house.)

### Field Day Dinner - Fat Luck

Hungry hams need to be fed. This year, the club is providing much of the dinner Saturday night and breakfast Sunday morning. Saturday lunch is the responsibility of each band. The club suggests that each band plan on some extra food for visiting operators.

The dinner Saturday night will be Chef's Mystery\* provided by the club. To augment the meal operators are being asked to bring some food based on their last name. Here's the list:

If your last name starts with:	Please Bring:
A - B	Cold salad
C - G	Tomatoes or lettuce or onion slices or pickles
H - R	Desserts
S - Z	One or two six packs of soda

Portions should be for about 6 people.

\* Don't ask what this is, but Chef Smith claims we'll really like it.

WOK coaxes the KYL to get rid of her outdated coupons, and VFC says 6m is open right nw into TX, since 4 pm this afternoon! Dennis is abt finished wld the portable tower for FD. And CHS comes in loud & clear at IXN's QTH.

FIELD DAY

FIELD DAY

FIELD DAY

FIELD DAY

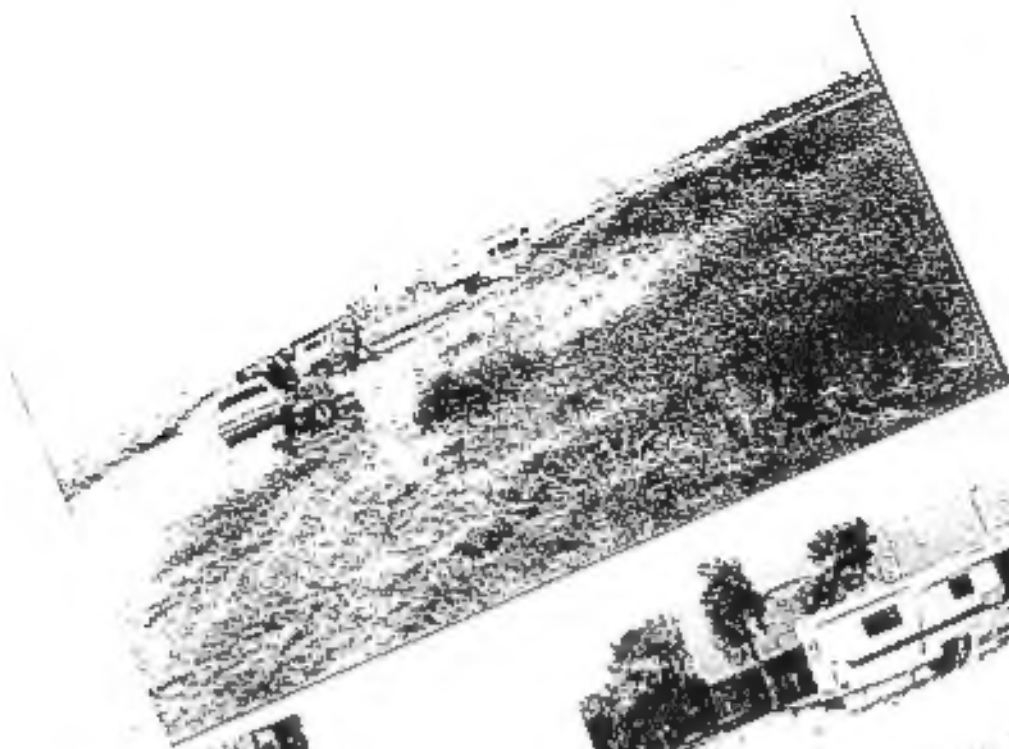
THIS YEARS SITE



LETS ALL GET OUT AND SUPPORT THE CLUB.

THE BIG DAY'S ARE——

JUNE 22nd and 23rd



# NETNEWS

by Bob Evans, W861XN

4/24 2m phone net - ZL loses & refinds a page of his notes which contained HHC's report on the Baker to Vegas law enforcement relay. Ken provided the Orange PD w/ amateur communications. HHC said that VKZ, VPT, BWH, & QE also helped w/ communications at the Event. PFA, unable to attend, acts a run-down afterwards. And Ken says the May Club speaker will speak on GPS (Global Positioning Satellite).

5/1 11m phone net - W6ZE/AF6C checks in NQO, IXN, WOX, AD6B, & HHC. VKZ, NQO, HHC & AF6C pick up a tower, rotor and antennas, donated to the Club, last Sat. Bob tackles rotator repairs while NQO takes on the tower. Come to Club meeting & hear how you might acquire a piece of this gear! NQO & IXN fight weeds bountifully supplied by garden mulch and fertilizer. IXN can't hear WOX tonite, but did glean frim conversation that Art's daughter is a student at San Diego State. AD6B hears all QPs well, and W6ZE asks Art to hve Robin give a report on her first roller coaster ride atop the Space Needle in Vegas! HHC arrives late on the Net, hving just finished installing a new Phonemate answering service in the Kitchen. Ken's mom is out frim cold, cold Pittsburgh for the upcoming wedding. And HHC, AF6C, & NQO discuss the donated ham ants, etc., to the Club. HHC says w/ the increase in traffic, Vegas has failed to make street & roadway accommodations for it!

5/1 2m phone net - W6ZE/IXN checks in AD6B, ONZ, VFC, RE, YZW, FZE, VDP, QW, WOX, HHC, TWA, BWH, & DLA. AD6B puts up the new ant. and 'booms in' at ZE's QTH. ONZ says that OPI went to Springfield, Ill., to help w/ tornado disasters, and then off to St. Louis for flood duty with the RC. W/ 6m activity low, VFC overhauls an HA 460 10W 6m AM rig, plus attending Little League BB games w/ the grandharmonist! BWH airs Newstime tape which featured Sam heroes dealing w/ floods, tornadoes, and a grounded ship sinking in the Caribbean! RE & VFC venture off to the El Toro DRMO to return Alex' Navy Marine Corp MARS teletype. Re-classified as junk. RE & VDP move the old teletype to the DRMO Junkyard!! No OBS volunteers for the OCARC yet!...Please contact RE for details! YZW tries to cool off in the hot WX as he listens to the Net, and FZE 'flies in & flies out', to be followed in the same manner by HHC! VDP is planning a new 6m delta loop beam in the near future. And Larry says the El Toro DRMO didn't hve much stuff at this time, and he thought prices were somewhat expensive! QW gets all his orchids planted, w/ only one remaining in a flower pot! The orchids grow taller in the hot WX while QW withers! Missing his antennas, Rolf ventures to VFC's QTH to learn hw to weld. And Rolf mounts a 5/8 wave mobile ant to a plate VFC gave him, and the setup works well on 6m, too! WOX buys an HP tuner for the rig at TRW Swapmeet last week, and Art's harmonio will manage a girl's soccer team! TWA pulls weeds frim the garden in the cool breeze coming up the Santa Ana River frim Huntington Beach! And Charles knows golfing has begun on the SA River golf course...He found 4 new golf balls in the yard! DLA installs the rig in the motor home, running it off a power

supply that allows AC hum in the audio. Bruce quickly changes to a DC source and all is well!

5/8 15m phone net - W6ZE/AF6C checks in NGO, AD6B, IXN, WOX, HHC, & RE. HHC wonders what he has forgotten w/ the harmonic getting married this weekend! The in-laws are arriving & Ken will be v. busy next week! AD6B picks up a leather carrying case for the 530 HT. And Art tells IXN that his rigs are weak at the QTH. Now AD6B is off to Orlando for a couple of weeks! WOX is on jury duty & is already serving on a jury. IXN does not hear Art at his QTH. AF6C got a deposition to read while serving his last jury duty. And HHC needs a VCR for next Club meeting. AF6C will give IXN past seismic reports at Club meetings. RE tells ZE that he needs to get rid of antenna materials on the 'back 40'. And the whole Mexican nation celebrates RE's BD... It falls on Cinco de Mayo!!

5/8 2m phone net - W6ZE/IXN checks in VDP, QW, VFC, UBE, RE, TWA, WOX, and BWH. While working in the yard, VDP gets bitten by a bug that leaves him w/ welts. And w/ several projects in mind, VDP & QW will visit Shore Metals in Placentia come Sat. to pick up needed materials. VDP will build a 5/8 over 5/8 ant. of Wil's design for 6m, also a delta loop ant., and do sum alignment work on the 830. QW buys a video digitizer for the computer, which will allow picture transfer into the computer. And w/ part of the Business now sold, QW moves a step closer to his Washington QTH! VFC hears only one station during a meteor shower last week, and like those hamburgers, it was 'in n out'! RE gives a disquieting propagation report, and Alex says he's taking a vitamin called OCUDINE, or OCUVITE, for the cataracts! TWA says Deuvita is available in the ARP Catalogue. WOX says IXN's rigs are v. weak at the QTH. And Art attends the UHF/VHF conference in La Mirada, before starting jury duty on Mon. BWH says there is no mail for ZE. Bob checks in mobile, airing Newline after he arrives at the QTH. And Newline says that the FCC will no longer require ocean-going commercial vessels to carry CW gear if they are equipped w/ satellite based communications on board! UBE checks in using a new fibre-glass Hygain vertical ant., and Del is heard FB copy by all net ops!

5/15 15m phone net - W6ZE/AF6C checks in NGO, WOX, IXN, & XO. NGO parts w/ a few bucks for a new welder w/ automatic feed and 30V at 155 amps out. AF6C gets the ant. rotor working, and it has an instruction manual to go w/ it... Need an ant. rotator?... See Bob! IXN checks in after helping neighbor w/ a broken water line. XO's XYL gets stuck in SA Canyon w/ a fan-pierced radiator... 3000 later, all is well!! AF6C, at the airport next net, asks IXN to take NC duties until he gets home. And congrats to VFP for our v. fine Newletters (RFI). ZE inquires abt PD correspondence fr. the Marine Base. (see below) NGO, AF6C, ZH & TAM, and VKZ all attend the marriage of HHC's youngest harmonic last weekend. (To distinguish gender, sons ought to be harmonics, and daughters harmonicass!..H!!) WOX 'flies in' & then 'flies out' to attend a PTA meeting w/ his harmonic's teachers.



5/15 2m phone net - W6ZE/IXN checks in AF6C, VFC, YZW, VDP, QW, WOX, TWA, FMX, ESD, RE, KB6OUM, BWH, & FJ. AF6C asks BWH if a letter from the Marine Base appeared in the Club mail. BWH responds negatively! VFC says 6m was open yesterday & today. WA, OR, MT, & KL7NO from Fairbanks, AK, no less! And Dennis still finds time to put QW's bead welder thru its paces building a 30 lb portable crank-up tower! YZW says the gasoline crunch has caused a slight slow-down in business, and VDP uses the 6m opening to garner two new grid squares in OR and Abilene, TX. And VDP needs Club stationery! And QW & VDP go metal-shopping. VDP works on a 6m delta beam ant., while QW replaces cardboard templates for the greenhouse w/ metal. And QW manages to find time to play w/ his new freeze-frame program on the computer. WOX manages to find 10m openings in NM & WA. And Art finishes jury duty last Mon. Now it's Club meeting Fri. eve. & the Swap Meet on Sat! TWA landlines IXN w/ K5GH, a special event station at the TX Star Party operating from McDonald Observatory. IXN tunes in the station just as a small earthquake occurs in the Northridge area! FMX joins the NGO/TWA/IXN crowd, watering flowers & veges! And Paul puts up a new H-7000 HF ant. (Ed. note: Paul, check w/ Larry, VDP, w/ protecting your new ant. from the WX!...It will pay off!!) ESD is still 'tripping the light fantastic' 4 to 5 nites a week. And all that dancing pays off in excellent results from a recent treadmill! Bob will be undergoing surgery soon! W/ sunspots down & propagation down, RE doesn't hear much bulletin-wise! And Alex says Corky, N6 HQI, sud use OPs to cover communications for the upcoming Diabetes Bikeathon. RE also tells OPs that Armed Forces Day is this weekend, & to check p. 101 for details in May QST! KB6OUM, Jim, checks in and will try to attend a Club meeting in the near future. BWH checks in mobile, and airs Newslane after he reaches the QTB. FJ finds a new Amateur Radio adr on the Internet, and Bill will be at Meeting Fri. eve.

5/22 15m phone net - AF6C is off to the airport, so W6ZE/IXN checks in HHC, WOX, NGO, & TWA. HHC looks forward to a CSLB graduation next weekend. And HHC had a vy interesting trip to Atlanta, Georgia, where he participated w/ the people making the 'smart card' for food, merchandine, etc., purchases during the Olympic Games! NGO, w/ an S7 noise level, strains to hear W6ZE tonite! Koi manages to get the wire welder working and makes use of the cool day to mow the lawn! And WOX finds HHC's description of how the 'Smart Card' works vy interesting! TWA asks OPs how they get QSL cards from Cuba. And Charles says the 20m band is now a little better! IXN, HHC, & NGO all discuss successes and failures in their current flower & veg gardens.

5/23 2m phone net - W6ZE/IXN checks in ZH, RE, VFC, VDP, QW, WOX, TWA, KF6CHB, & BWH. TWA poses the QSL card problem with Cuba, and ZH & RE come bk w/ several suggestions for Charles to use to glean QSL cards from Cuban OPs! W/ TAM visiting bk East, ZH 'batches it' alone for awhile. And Chris tells OPs that he has verbal agreement w/ a sergeant Garcia for the FD site at the Tustin Marine Air Station. RE says his spring flowers are all gone, but that sunspots are increasing. However, the 10m flux is still in the 70s & 80s. VFC is putting QW's welder to gud use. And QW sells 1/2 of his business, w/ only the sawing dept. left to go! Rolf gets a new metal bandsaw and

makes a larger table for it so he can cut metal pieces for the new greenhouse. VPC says 6m is open every day, w/d QO, NM, & WA booming in this morning! And Dennis continues work on the portable tower. YDP uses aluminum solder on the 6m delta beam, and Larry goes w/d COJ to the So. County Radio Club's auction. And Larry describes the Ten Tec Transverter for HP rigs to work in the 6m band. And YDP reports that he heard a military station in Groton, Conn., and Andrews AFB on Armed Forces Day last weekend. IXN relays ZH's report abt the FD site to BWH, and Bob airs a vy interesting Newsline... Seems that the FCC will soon open a 'Family Radio Band' arnd 462 MHz for short distance, low power communications between family members. WOX leaves 15m net early to take his daughter & the soccer team to Anaheim Stadium to get tickets for a game. And Art listens w/d interest as Dennis & Larry report openings on 6m! CHB, Gary, joins OCARC last meeting and OPs welcome Gary to the net! Gary uses his EICOM 2350 both for base station & mobile operation, w/d a J-pole ant. for base station operation. TWA uses all volunteer tomato plants for this year's crop. And Charles works YLJA in the Yukon 5/9 on 20m!

5/29 15m phone net - Wow! Biggest check-in yet on 15m! W6ZE/AP6C checks in\_HHC, AD6B, NQO, IXN, WOX, VKZ, YDP, TWA, COJ & REI\_AD6B is glad to be bk frm Fla., especially when one has the air condx on at 6 am! HHC enjoyed Atlanta, GA., even better abt 2 wks ago. NQO has a short contact w/d Kaz this afternoon, and asks ZE if we hve approval for the FD site confirmed yet. And HHC attends Michelle's graduation at UCLR. And Kenn will attend the work party for the Club Trailer after Sat. Blast. IXN & fam. travel to Garner Valley last Sun. (IXN's dad passes away on May 30. He was 91 1/2 yrs young!) NQO visited Fla. in the 60's... Kei drove across the country! AP6C says there will be an OCC meeting the 1st wk in June. And IXN can't hear WOX at the QTH tonite! Art will attend the work party Sat. VKZ tells work party crew to bring wire brushes, scrapers, paint brushes, etc., and wear old clothes! YDP needs DR & Maps. for WAS on 6m! And Larry will attend the work party, too. TWA will be 76 yrs young tomorrow! And Charles says 10m is open at nite! COJ has gear of a Silent Key to sell. And Dave's XYL & daughter are not well at present. N6UC underwent surgery for his back problem. He will start therapy soon. You can call Jack at 992-3000 ext. 2280. Jack is in St Jude Hosp. RE says if TWA keeps 'peddling pretty hard' he might catch Alex! RE says harmonic & helper re-screened the back porch. Now RE must replace the stripping!

5/29 2m phone net - W6ZE/IXN checks in OPI, RE, QW, YDP, TWA, WOX, VPC, CHB, & BWH. OPI tells ZE she'll check w/d RC communicators to see if they will attend the OCARC Field Day. And Cindy just gets bk frm working tornadoes & floods in Springfield, Ill., and St. Louis. She'll make a quick appearance at the Breakfast & then it's off to Girl Scouts! YDP quips, "where's the raffle box, Cindy?". RE tells OPs to make sure they copy the Field Day Message, and QW has only the Sewing Dept. to sell before the move to Wash. Rolf builds a welding rig and cuts pieces for the greenhouse geodesic dome. The 18 yr old microwave fails to make microwaves at YDPs QTH... Seems there's inoperative diodes in the turkey-works! "Oh where?... Oh where is the Club Stationery?" asks YDP! And Larry says TWA has the loudest sigs at his QTH on 15m tonite. And Charles tells IXN that he has sum ripe tomatoes already. Then TWA tells OPs abt his Elmer, a young man aboard the Lexington who died of Beri-Beri in a Japanese prison camp!



QST de W1AX  
ARRL Bulletin 37 ARRL037  
From ARRL Headquarters Newington CT  
June 6, 1996  
Relayed by K8BNW/OBS & BA89-60 BBS  
To all radio amateurs

RE QST ARRL ARRL037  
ARRL037 2m/70cm/WRC update

Hams respond to band threat with flood of comments, FCC sets up  
central comment address

Hams have responded in force to defend the 2-meter and 70-cm bands against a threat from the Mobile Satellite Service (MSS). Over the past week, hams have directed more than 1000 comments by letter, e-mail, telephone and fax to representatives on Informal Working Group 2A (IWG-2A), which is preparing draft US proposals for the 1997 World Radiocommunication Conference. The IWG-2A's list of "candidate bands" for low-earth orbit mobile satellites ("little LEOs") includes the 144 and 420 MHz bands, among others suggested for consideration. Little LEOs are intended mainly to offer commercial paging and other low-data-rate messaging services.

The list of candidate bands was submitted by little LEO industry representatives at a May 7 IWG-2A meeting. ARRL Technical Relations Manager Paul Rinaldo, W4RI, was present and objected strongly to the inclusion of these two bands. He was told that objections should be submitted in written comments, and the ARRL did so on May 15. Despite the objections, the two ham bands remained on the table, prompting ARRL Executive Vice President David Sumner, K1ZZ, to issue a call to action in his July 1996 QST editorial. The editorial--circulated far and wide by e-mail and packet radio--generated so many responses that the FCC has had to modify its procedures to cope with the deluge.

Instead of directing comments to the list of individuals distributed in an earlier bulletin and included in the pre-press version of K1ZZ's editorial, send comments by e-mail to [wrc97fcc.gov](mailto:wrc97fcc.gov). Send written comments--an original plus one copy--to Office of the Secretary, Federal Communications Commission, Washington, DC 20554. Each comment should include at the top, "Reference No. ISP-96-005" and "Advisory Committee Informal Working Group 2A." The FCC staff says comments will be given prompt consideration. All written and electronic comments from Amateur Radio operators received at the Commission have been included as part of the public record on WRC-97.

Again, for the most expeditious and efficient consideration of your comments, the FCC asks amateurs to not send comments directly to the chair of the WRC-97 Advisory Committee, to the chairs and vice-chairs of the Informal Working Groups, to individual FCC staff members or to private-sector participants in the Advisory Committee process. Spread the word about this new commenting procedure.

The ARRL Web Site has complete information on the band threat situation at <http://www.arrl.org/> and will update the information to reflect further developments.

NNNN

## CLUB NETS

Band	Mode	Day	Local Time	Freq. MHZ.	Net Control
15 Meters	SSB	Wednesday	8:00 Pm	21,375*	AF6C
2 Meters	FM	Wednesday	8:30 Pm	146,550 Simplex	WB6IXN
(Listen for W6ZE, Net Control)			*Plus or Minus QRM		

### General Meeting

June 21

July 19

August 16

General Meeting is the 3rd Friday of each month at 7:30 PM  
at the AMERICAN RED CROSS facilities.

601 N. Golden Circle Drive, Santa Ana, Ca.

Major Cross Streets: Fourth St. and Tustin Ave.

Talk in frequency: 146,550 MHZ simplex.

### Board Breakfast

July 6

August 3

Sept. 7

Board Meeting is the 1st Saturday of each month at 8:00 AM

The WILDFLOWER RESTAURANT - members & visitors are welcome.

2525 N. Grand Ave., Santa Ana, Ca.

Exit the 5 freeway at 17th Street, go east to Grand Ave. Go north on

Grand; or exit the 22 freeway at Grand /Glassell. Go South to Restaurant.

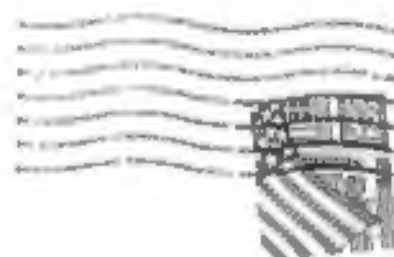
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